

# Mineral Industry Surveys

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## GYPSUM IN SEPTEMBER 2005

Producers mined 1.68 million metric tons (Mt) of gypsum in September 2005 (table 1). Output was 3% more than that of August 2005 and 21% more than that of September 2004. Synthetic gypsum production was 820,000 metric tons (t) in September 2005 (table 1), which was 5% less than that of August 2005, and 17% more than that of September 2004. Both mined and synthetic gypsum are used as raw material for wallboard. The wallboard industry is the largest domestic consumer of gypsum. During January through August 2005 synthetic gypsum accounted for 6.17 Mt, or about 24%, of the 25.4-Mt supply of gypsum in the United States. Sales of uncalcined gypsum, mainly for portland cement manufacture and for agricultural uses, were 527,000 t (table 2), slightly less than that of August 2005 and 20% less than that of September 2004.

Output of calcined gypsum for September (table 1) was 2.15 Mt, slightly more than that of August 2005 and 13% more than that of September 2004. Sales of board products were about 3.2

billion square feet (292 million square meters), 4% less than that of August 2005 and 10% more than that of September 2004.

U.S. Government import and export data for September 2005 were not available at the time of publication. According to the U.S. Census Bureau, imports of crude gypsum in August 2005 were 926,000 t (table 3), slightly more than that of July 2005 and 26% more than that of August 2004. Gypsum wallboard imports, principally from Canada, for August 2005 were 67,000 t, equivalent to 80 million square feet (7.5 million square meters). These imports were 16% more than that of July 2005 and 31% more than that of August 2004. Wallboard exports to 33 countries and territories in August 2005 were 7,200 t, equivalent to 8.6 million square feet (800,000 square meters). These exports were about 20% more than that of July 2005 and slightly more than that of August 2004.

All percentages in this report were computed based on unrounded data.

TABLE 1  
GYPSUM SUPPLY<sup>1,2</sup>

(Metric tons)

	2005			2004
	September	August	January-September	January-September
Crude:				
Mined <sup>3</sup>	1,680,000	1,630,000	13,700,000	12,500,000
Imported <sup>4</sup>	NA	926,000	NA	7,300,000
Synthetic gypsum <sup>5</sup>	820,000	864,000	6,990,000	6,440,000
Total supply	NA	3,420,000	NA	26,200,000
Crude, exported <sup>4</sup>	NA	12,400	NA	107,000
Consumption	NA	3,410,000	NA	26,100,000
Calcined:				
Produced	2,150,000	2,110,000	18,300,000	15,900,000
Imported <sup>6</sup>	NA	901	NA	3,660
Total supply	NA	2,110,000	NA	15,900,000
Exported <sup>6</sup>	NA	11,600	NA	262,000
Consumption	NA	2,100,000	NA	15,600,000

NA Not available.

<sup>1</sup>Includes data from the Gypsum Association.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Some data were estimated from semiannual reports.

<sup>4</sup>Import and export data are for "Gypsum; anhydrite," Harmonized Tariff Schedule 2520.10.0000.

<sup>5</sup>Reported production only.

<sup>6</sup>Import and export data are for "Plaster," Harmonized Tariff Schedule 2520.20.0000.

TABLE 2  
GYPSUM SOLD OR USED BY PRODUCERS, BY USE<sup>1,2</sup>

(Metric tons, unless otherwise specified)

	2005			2004
	September	August	January-September	January-September
Uncalcined: <sup>3</sup>				
Portland cement	285,000	292,000	2,850,000	3,130,000
Agriculture and miscellaneous	242,000	239,000	2,040,000	1,420,000
Total	527,000	531,000	4,890,000	4,540,000
Calcined:				
Board products <sup>4</sup>	2,630,000	2,730,000	22,600,000	21,400,000
Plaster	13,000	14,000	122,000	125,000
Total	2,640,000	2,740,000	22,700,000	21,500,000
Board products: (Thousand square feet) <sup>5</sup>				
Regular board	1,960,000	2,000,000	16,700,000	15,700,000
Type X board	896,000	970,000	7,950,000	7,640,000
Other	291,000	297,000	2,460,000	2,360,000
Total supply	3,150,000	3,270,000	27,100,000	25,700,000

<sup>1</sup>Includes data from the Gypsum Association.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Does not include synthetic gypsum from electric power plants.

<sup>4</sup>Includes weight of paper and other materials.

<sup>5</sup>One square meter equals 10.78 square feet.

TABLE 3  
CRUDE GYPSUM IMPORTED FOR CONSUMPTION<sup>1</sup>

(Metric tons)

Country of origin	2005			2004
	August	July	January-August	January-August
Austria	--	--	--	8
Bahrain	--	--	7	--
Canada	640,000	659,000	4,960,000	4,380,000
China	--	--	16	41,300
Costa Rica	--	--	--	53
Denmark	--	19	34	--
Dominica	--	--	2	--
Dominican Republic	18,500	11,500	124,000	84,500
France	--	--	17	--
Germany	40	20	120	--
Italy	--	--	1	26,900
Jamaica	--	--	43,100	19,200
Japan	--	--	--	3
Mexico	218,000	208,000	1,650,000	14,100,000
Peru	--	--	80	2
Spain	48,600	43,400	435,000	497,000
Sweden	--	--	40	--
United Kingdom	--	21	1	21
Total	926,000	922,000	7,210,000	6,470,000

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 4  
CRUDE GYPSUM IN THE UNITED STATES<sup>1,2</sup>

(Thousand metric tons)

Period	Consumption <sup>3</sup>	Production <sup>4</sup>	Imports <sup>5</sup>	Exports <sup>5</sup>
2004:				
September	2,220	1,390	835	12
October	2,400	1,460	954	14
November	2,360	1,460	920	13
December	2,420	1,480	958	14
January-December	26,900	16,900	10,100	149
2005:				
January	2,220	1,460	770	14
February	2,190	1,460	755	17
March	2,400	1,470	964	27
April	2,320	1,420	909	12
May	2,800	1,820	994	11
June	2,580	1,620	972	10
July	2,500	1,590	923	9
August	2,550	1,630	926	12
September	NA	1,680	NA	NA

NA Not available.

<sup>1</sup>Excludes synthetic gypsum.

<sup>2</sup>Data are rounded to no more than three significant digits.

<sup>3</sup>Consumption calculated by adding the production and imports shown in this table and subtracting the exports shown in this table. Monthly inventory changes are not included.

<sup>4</sup>Production data are from the semiannual gypsum canvasses of the non-wallboard producers, annual canvass of all producers, and from monthly data furnished by the Gypsum Association from the wallboard producers.

<sup>5</sup>Data from U.S. Census Bureau.

TABLE 5  
SALES OF GYPSUM BOARD PRODUCTS, BY SALES REGIONS<sup>1,2</sup>

(Thousand square feet)<sup>3</sup>

	New England	Middle Atlantic	E. North Central	W. North Central	South Atlantic	E. South Central	W. South Central	Mountain	Pacific	Exports	Total
2005:											
September:											
Veneer base	26,500	3,210	7,450	1,020	9,000	22	56	316	1,310	63	48,900
Sheathing	1,700	4,340	5,470	5,880	20,400	3,380	11,200	6,450	9,530	1,660	70,000
Regular gypsum board	44,300	153,000	232,000	126,000	564,000	142,000	249,000	194,000	222,000	38,100	1,960,000
Type X gypsum board	27,900	88,100	128,000	64,900	139,000	32,700	87,900	120,000	200,000	7,160	896,000
Predecorated board	293	474	771	608	1,090	501	901	428	722	74	5,860
5/16 Mobile home board	--	973	6,480	26	11,200	15,500	8,620	127	348	--	43,200
Water/moisture resistant board	5,220	21,000	13,900	6,320	28,600	5,210	10,100	10,700	17,100	5,120	123,000
Total	106,000	271,000	395,000	204,000	773,000	200,000	368,000	332,000	451,000	52,200	3,150,000
January- September:											
Veneer base	230,000	21,100	68,100	7,130	83,500	236	407	2,390	12,600	437	426,000
Sheathing	13,400	39,600	46,200	54,000	151,000	26,700	106,000	56,500	81,300	10,700	586,000
Regular gypsum board	377,000	1,300,000	1,970,000	1,040,000	4,950,000	1,160,000	2,020,000	1,690,000	1,900,000	290,000	16,700,000
Type X gypsum board	244,000	780,000	1,110,000	600,000	1,350,000	284,000	804,000	1,000,000	1,720,000	63,000	7,950,000
Predecorated board	2,770	5,640	8,150	4,140	11,800	3,370	8,120	3,240	5,480	449	53,200
5/16 Mobile home board	--	6,470	41,800	26	89,500	109,000	57,900	1,250	5,590	116	312,000
Water/moisture resistant board	47,800	183,000	132,000	56,900	253,000	44,200	98,300	91,200	147,000	35,600	1,090,000
Total	915,000	2,340,000	3,380,000	1,760,000	6,880,000	1,630,000	3,100,000	2,840,000	3,860,000	400,000	27,100,000

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Sales region equivalent to U.S. Census Bureau Geographic Division as follows: New England (CT, MA, ME, NH, RI, VT); Middle Atlantic (NJ, NY, PA); East North Central (IL, IN, MI, OH, WI); West North Central (IA, KS, MN, MO, NE, ND, SD); South Atlantic (DC, DE, FL, GA, MD, NC, SC, VA, WV); East South Central (AL, KY, MS, TN); West South Central (AR, LA, OK, TX); Mountain (AZ, CO, ID, MT, NM, NV, UT, WY); Pacific (AK, CA, HI, OR, WA).

<sup>3</sup>One square meter equals 10.78 square feet.

Source: Gypsum Association.